

Name : _____

Score : _____

Teacher : _____

Date : _____

Order of Operations

1) $3 + (7 \times (6 + 3)^2) + 4$

6) $(15 \div 3)^2 + ((13 - 2) \times 5^2)$

2) $(4^2 + (16 \div 2 + 4^2)) + 3^2$

7) $((12 - 6) + (12 \div 4)^2) + 4^2$

3) $((10 - 6)^2 \times 4) + 3 - 2^2$

8) $((18 + 5) + (24 \div 6)^2) \times 3^2$

4) $(4^2 + (16 \div 2 + 5^2)) - 2^2$

9) $17 + (7 \times (11 - 6)^2) + 2$

5) $((10 - 4)^2 \times 5) + 2 - 3^2$

10) $(24 \div 4)^2 + ((18 - 5) \times 3^2)$

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Order of Operations

$$\begin{aligned}
 1) \quad & 3 + (7 \times (6 + 3)^2) + 4 \\
 & 3 + (7 \times 9^2) + 4 \\
 & 3 + (7 \times 81) + 4 \\
 & 3 + 567 + 4 \\
 & \quad \quad \quad 574
 \end{aligned}$$

$$\begin{aligned}
 6) \quad & (15 \div 3)^2 + ((13 - 2) \times 5^2) \\
 & (5)^2 + (11 \times 5^2) \\
 & 25 + (11 \times 25) \\
 & 25 + 275 \\
 & \quad \quad \quad 300
 \end{aligned}$$

$$\begin{aligned}
 2) \quad & (4^2 + (16 \div 2 + 4^2)) + 3^2 \\
 & (4^2 + (16 \div 2 + 16)) + 3^2 \\
 & (4^2 + (8 + 16)) + 3^2 \\
 & (16 + 24) + 9 \\
 & 40 + 9 \\
 & \quad \quad \quad 49
 \end{aligned}$$

$$\begin{aligned}
 7) \quad & ((12 - 6) + (12 \div 4)^2) + 4^2 \\
 & (6 + (3)^2) + 4^2 \\
 & (6 + 9) + 4^2 \\
 & 15 + 4^2 \\
 & 15 + 16 \\
 & \quad \quad \quad 31
 \end{aligned}$$

$$\begin{aligned}
 3) \quad & ((10 - 6)^2 \times 4) + 3 - 2^2 \\
 & (4^2 \times 4) + 3 - 4 \\
 & (16 \times 4) + 3 - 4 \\
 & 64 + 3 - 4 \\
 & \quad \quad \quad 63
 \end{aligned}$$

$$\begin{aligned}
 8) \quad & ((18 + 5) + (24 \div 6)^2) \times 3^2 \\
 & (23 + (4)^2) \times 3^2 \\
 & (23 + 16) \times 3^2 \\
 & 39 \times 3^2 \\
 & 39 \times 9 \\
 & \quad \quad \quad 351
 \end{aligned}$$

$$\begin{aligned}
 4) \quad & (4^2 + (16 \div 2 + 5^2)) - 2^2 \\
 & (4^2 + (16 \div 2 + 25)) - 2^2 \\
 & (4^2 + (8 + 25)) - 2^2 \\
 & (16 + 33) - 4 \\
 & 49 - 4 \\
 & \quad \quad \quad 45
 \end{aligned}$$

$$\begin{aligned}
 9) \quad & 17 + (7 \times (11 - 6)^2) + 2 \\
 & 17 + (7 \times 5^2) + 2 \\
 & 17 + (7 \times 25) + 2 \\
 & 17 + 175 + 2 \\
 & \quad \quad \quad 194
 \end{aligned}$$

$$\begin{aligned}
 5) \quad & ((10 - 4)^2 \times 5) + 2 - 3^2 \\
 & (6^2 \times 5) + 2 - 9 \\
 & (36 \times 5) + 2 - 9 \\
 & 180 + 2 - 9 \\
 & \quad \quad \quad 173
 \end{aligned}$$

$$\begin{aligned}
 10) \quad & (24 \div 4)^2 + ((18 - 5) \times 3^2) \\
 & (6)^2 + (13 \times 3^2) \\
 & 36 + (13 \times 9) \\
 & 36 + 117 \\
 & \quad \quad \quad 153
 \end{aligned}$$